

# ESAT Technical Direction Form

Contract No. EPW13028

EPA Region 8

Site ID: 085M  
TDF ID: A-096

Date Issued: 8/6/2015  
Date Updated:

Date  
Closed By:

Name: Upper Animas Emergency Response Support

Details: The Contractor shall analyze several surface water samples in response to the bulkhead water release into the Animas River. The samples will be analyzed for total recoverable metals, dissolved metals (including hardness), and mercury as indicated in the Analytical Information Section.

\*\*Note: Dissolved Hg analysis is only required for samples that were detected by total recoverable metals.

Site RPM is Paula Schmittiel

TO02/Subtask 02b: Inorganic Chemistry

Analytical Information:

## MATRIX

Water    Soils    Vegetation    Biota

## WET CHEM

TSS    TDS    DOC    Alk    Chloride    Sulfate    Fluoride    Nitrate    Nitrite  
Other

## METALS

	Dissolved	Total Recoverable	Total	Hardness (Calc)												
200.7:	Ag	Al	As	Ba	Be	B	Ca	Cd	Co	Cr	Cu	Fe	K	Mg		
	Mn	Mo	Na	Ni	Pb	Sb	Se	Sr	Ti	Tl	V	Zn	SiO2			
200.8:	Ag	Al	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb		
	Se	Th	Tl	U	V	Zn										
7470/7471/747																

## FIBERS

PLM    TEM

Deliverables

ID	Description	Due Date	Submission Date
1	Provide PRs within 24-48 hrs of sample receipt.		
2	Provide final deliverable package to Task Monitor no later than 30 days after delivery of final sample(s).		